Manual
SMARTCD.G2

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SimonsVoss technologies

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SMARTCD.G2

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1 Intended use

The SmartCD.G2 is a programming device which has been specially developed to run on a PC, netbook or laptop or in conjunction with a Windows Mobile 5.x / 6.x PDA. It is a very convenient way for you to programme and read all digital components in SimonsVoss System 3060 (locking cylinders, transponders, SmartHandles and SmartRelays).

You require the SmartCD MP programming device to programme SimonsVoss passive digital products (MP versions).

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2 Safety instructions

1. Avoid placing in direct sunlight.
2. Keep away from sources of magnetic interference.
3. Ensure that the device does not fall onto the floor and is not exposed to any other type of impact.
4. The lithium batteries fitted to this programming device may pose a fire or burn hazard if handled incorrectly. Do not open or burn them, or heat them to over 70°C.
5. Do not remove or replace batteries. SimonsVoss Technologies GmbH can replace used batteries for a fee.
6. Charge the integrated batteries at least 3 hours before using the device for the first time.
7. We can only guarantee error-free functioning during programming with a Windows Mobile 5.x / 6.x PDA if you use devices approved by SimonsVoss.
8. The manufacturer reserves the right to make technical changes at any time.
9. In the event of doubt, the original German language manual applies.
10. You must not alter or open the programming device housing.
11. You must not modify the programming device.
12. The programming device may only be operated with the original cable enclosed.
13. The programming device may only be used for its intended purpose, that is, reading and programming SimonsVoss products.

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3 Scope of supply

- SmartCD.G2 programming device, including permanently built-in batteries
- Cable for connection to a USB port
- CD ROM with USB drivers

SmartLSM and the SimonsVoss LDB or LSM software for mobile programming on site are needed to use SmartCD.G2. These are not included in the scope of supply and must be ordered separately.

Please read the PDA manufacturer's manual before initial operation.

You can also find the latest version of the driver under Infocenter / Downloads / Drivers on the SimonsVoss website.

4 Connection to a PC/laptop

SmartCD.G2 can be directly connected to a PC or laptop by plugging the supplied cable into an unassigned USB port.

All digital locking devices and all active transponders/transponder media in SimonsVoss System 3060 can be programmed using a SmartCD.G2 in conjunction with a PC, netbook or laptop.

NOTICE

If you programme with a PDA and SmartCD, you need to unplug the cable connecting the SmartCD.G2 to the PC or laptop again. It is not possible to use Bluetooth to communicate between SmartCD.G2 and a PC or laptop.

NOTICE

You must ensure the Bluetooth connection is not active before connecting SmartCD.G2 to the USB port. The Bluetooth function switches off automatically after 15 minutes. It can also be switched off manually by pressing a button on the programming device. If this is not the case, communication cannot be established via the USB port.

Transponders can only be programmed if the SmartCD.G2 is directly connected to a PC, netbook or laptop using the USB cable and the LSM software program is installed.

5 Charging the batteries

Connect SmartCD.G2 to the PC, netbook or laptop using the USB cable to charge the batteries. The SmartCD.G2 batteries are then charged via the USB port.

NOTICE

Charge the integrated batteries at least 3 hours before using the device for the first time.

NOTICE

Beware: the USB port will probably deactivate if a laptop is switched off.

NOTICE

If you do not wish to use your SmartCD.G2 for a longer period of time, connect it to the USB port. This prevents the batteries from discharging and the device is thus ready for use at any time.

If you use an external, passive USB hub without its own power supply, you may have difficulty using more than one device since the USB port cannot supply enough power. You should therefore connect SmartCD.G2 directly to an unassigned USB port on the PC, netbook or laptop or to an active USB hub with its own power supply.

6 Initial operation

The pre-fitted batteries are pre-charged, so the device is ready for immediate use.

We recommend recharging SmartCD.G2 via a USB port for about 3-4 hours before initial use.

Complete the following steps to use the programming device:

– Connect SmartCD to the USB port on the PC or laptop.
– Install USB driver for SmartCD.G2 on a PC or laptop (see enclosed CD).

Carry out the following additional steps to use SmartCD with a PDA:

– Install the SmartLSM locking plan software using ActiveSync on the PDA.
– Interconnect SmartCD.G2 and PDA via Bluetooth (use the SmartLSM to do so).
– Set COM port on the PDA to SmartCD.G2 (use the SmartLSM to do so)

7 Configuring the Bluetooth connection

7.1 Initial installation

When connecting SmartCD.G2 to a PDA, ensure that both devices:

– Are switched on and are detected by Bluetooth
– Are in close proximity to one another

Consult the SmartLSM software and possibly the PDA manufacturer's user guide on how to proceed to connect SmartCD.G2 and the PDA.

Select 'SV [your device's serial number]' for the SimonsVoss device.

When you connect the PDA to SmartCD.G2 for the first time, you should ensure that no other SmartCD.G2s with an activated Bluetooth are within the receiving range.

7.2 Changing the connection

You can change the pre-set Bluetooth connection at any time if it needs to be re-set – to allow you to programme another SmartCD.G2, for example.

Consult the SmartLSM software manual for information on how to proceed.

8 Programming with Smart CD

During programming, there should a minimum gap of around 10 cm between SmartCD and the locking device; for SmartRelay it should be around 30 cm and 70 cm for the block lock.

8.1 Programming with a PC or laptop

The current version of the Locking Data Base 1.50 a software or higher, or Locking System Management (LSM) 2.2 or higher should be installed on the PC or laptop. A programming device needs to be connected to the PC or laptop for a new software installation or update.

NOTICE

You must hold administrator access rights to install the software in Windows.

8.2 Programming with a netbook

The current version of LSM Mobile must be installed on the netbook.

The current version of LSM Mobile must be installed on the PDA using ActiveSync.

You can now export the locking plan created on the PC or laptop to an external storage device, such as USB flash memory, to transfer to the netbook. You can find more details in the LSM Mobile user manual.

8.3 Programming with a PDA

The current version of LDB must be installed on the PC or laptop. The PDA Desktop software must also be set up on the PC or laptop. ActiveSync synchronization must be carried out for initial installation on a PDA.

The current version of SmartLSM must be installed on the PDA using ActiveSync.

You can now export the locking plan created on the PC or laptop to the PDA using ActiveSync. You can find more details in the PDA user manual.

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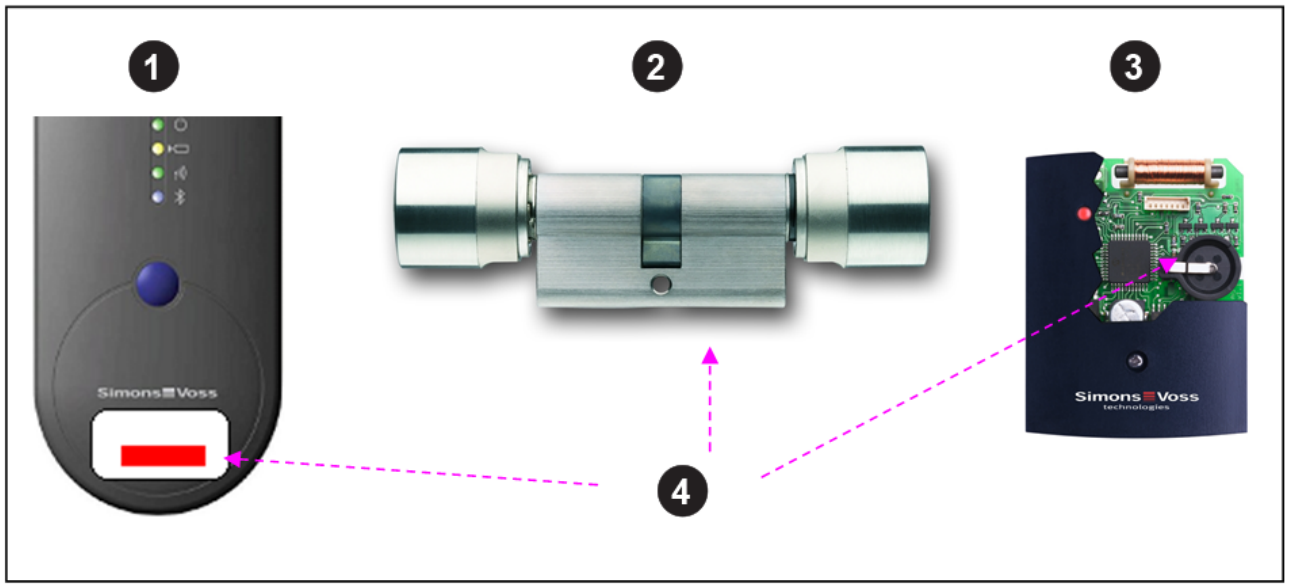
9 Antenna alignment

Antenna alignment for selected components is described below to ensure error-free programming. You can achieve the greatest possible read range for programming if the SmartCD.G2 and locking device antennas are positioned in parallel to one another.

As a general rule, the distance between antennas should be at least 10 cm to prevent overshooting.



1. SmartCD.G2 programming device
2. Locking cylinders
3. SmartRelay
4. Antenna

In this example, all antennas are parallel to one another.

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10 Replacing the batteries

Contact your retail specialist if you should need to replace batteries. The retailer can then have batteries replaced by SimonsVoss Technologies GmbH for a fee.

NOTICE

Do not try to replace the batteries yourself under any circumstances.

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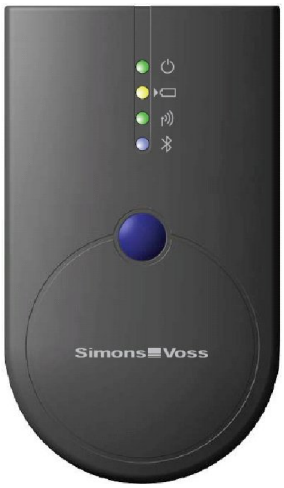
11 Signals



– LED 1 | green | POWER - ON: Device operational.
– LED 1 | green | POWER - FLASHES: Stand-by mode.

The first LED (green/POWER) lights up when the SmartCD.G2 is connected to the PC or laptop using USB or when the SmartCD.G2 is switched on by pressing the button without a USB connection. The device can be switched off again to save power by re-pressing the button.

– LED 2 | yellow | BATTERY - ON: Batteries are being charged.
– LED 2 | yellow | BATTERY - OFF: Batteries are fully charged.

The second LED (yellow/BATTERY) only lights up when the SmartCD.G2 is connected to the computer via the USB to charge, for example, and at least one of the batteries needs charging.

– LED 3 | green | WIRELESS - FLASHES QUICKLY: Communication with a SimonsVoss locking device
– LED 3 | green | WIRELESS - FLASHES SLOWLY: No connection.

The third LED (green/WIRELESS) lights up when there is wireless communication between SmartCD.G2 and a locking device for programming, reading and similar.

– LED 4 | blue | BLUETOOTH - ON: Bluetooth active.
– LED 4 | blue | BLUETOOTH - OFF: Bluetooth inactive.

The fourth LED (blue/BLUETOOTH) lights up when the Bluetooth interface is used to programme, read or reset a locking device and goes out again once this is complete.

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12 Technical specifications

Housing dimensions H x W x D:	112 x 63 x 22 mm
Weight, including batteries:	95 g
Housing material:	Plastic
Housing colour:	Grey
Number of LEDs:	4
Battery type:	Li-ion manganese batteries (permanently built-in)
Protection rating:	IP20
Working temperature range:	-5 °C to +40 °C
Storage temperature range:	-20 °C to +60 °C
Bluetooth connection:	Class 2 transmission capacity 2.5 mW
Supported profiles:	SPP (Serial Port Profile), serial data transmission